

ABSTRACT

In an electrostatic head, each of electrostatic actuators includes a diaphragm doubling as or including a
5 first electrode forming a wall surface of a discharge room communicating with a nozzle discharging a drop, and a second electrode opposing the first electrode. The diaphragm is deformed by generating an electrostatic force between the first electrode and the second electrode. The first
10 electrodes or the second electrodes of the electrostatic actuators are combined electrically. Differently polarized potentials are applied to the first electrode and the second electrode upon discharging the drop.

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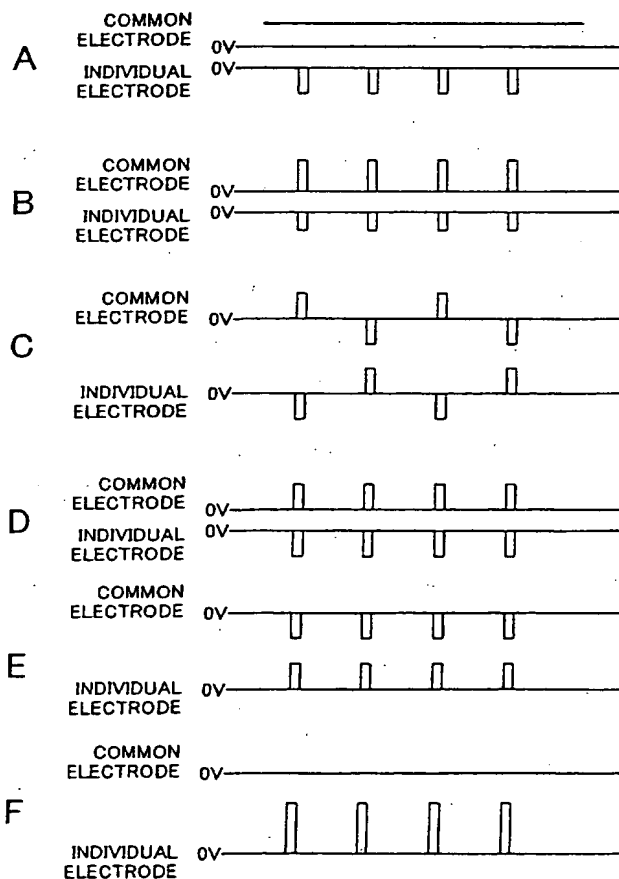
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(54) Title: HEAD DRIVE CONTROL DEVICE AND INKJET RECORDING DEVICE



(57) **Abstract:** In an electrostatic head, each of electrostaticactuators includes a diaphragm doubling as or including a first electrode forming a wall surface of a discharge room communicating with a nozzle discharging a drop, and a second electrode opposing the first electrode. The diaphragm is deformed by generating an electrostatic force between the first electrode and the second electrode. The first electrodes or the second electrodes of the electrostatic actuators are combined electrically. Differently polarized potentials are applied to the first electrode and the second electrode upon discharging the drop.

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